

Date: February 6, 2004

17302 U.S.P.T.O.
 MAIL STOP PATENT APPLICATION
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

17302 U.S.P.T.O.
 10/774001



Sir:

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of

Inventor(s): (1) David M. PEPPER
 (2) David S. SUMIDANOTE: Patent must be applied for in the name of all
 of the actual inventor or inventors.For: "ELECTRICALLY PUMPED SEMICONDUCTOR ACTIVE MIRROR WITH IMPROVED
 PERFORMANCE AND REDUCED PARASITICS"

Enclosed are:

1. The Papers Required For Filing Date Under 37 CFR 1.53(b):11 Pages of specification 1 Page of abstract 4 Pages of claims5 Sheets of drawings [X] formal [] informal
 (Figs. 1-3, 3a-3b, 4, 4a, 5)

[X] In addition to the above papers there is also attached

[] Pages of a Preliminary Amendment dated

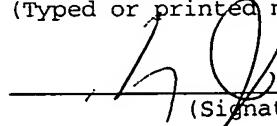
- [X] Postcard
- [X] Check for filing fee in the amount of \$1,000.00
- [X] Declaration/Power of Attorney (4 pages)
- [] Verified Statement Claiming Small Entity Status--
 Small-Business Concern (1 page)
- [] Cross-Reference To Related Application(s) (1 page)
- [] Claim to Priority (1 page) with
- [] Certified Copy of Application No.
- [] Information Disclosure Statement (2 pages) and
 Form PTO-1449 (modified) (1 page) with copy of British Search
 Report and copies of documents cited in Form PTO-1449 (modified)
- [X] Assignment Cover Sheet (1 page), Assignment document (2 pages),
 and Check for \$40.00

CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this paper and the documents referred to as enclosed
 therein are being deposited with the United States Postal Service in an Express
 Mail envelope with sufficient postage for Express Mailing on this date February
6, 2004 in an envelope as "Express Mail Post Office to Addressee" Mailing Label
 Number EV301024845US addressed to the:

MAIL STOP PATENT APPLICATION
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Suzanne Johnston
 (Typed or printed name of person mailing paper)


 (Signature of person mailing paper)

NOTE: Each paper or fee referred to as enclosed herein
 has the number of the "Express Mail" mailing label
 placed thereon prior to mailing. 37 CFR 1.10(b).

2. Declaration or oath

[X] Enclosed

[X] original [] facsimile

executed by:

[X] inventor(s)

[] legal representative of inventor(s) 37 CFR 1.42 or 1.43

[] joint inventor or person showing a proprietary interest
on behalf of inventor who refused to sign or cannot be
reached. 37 CFR 1.47.

[] petition and statement required by 37 CFR 1.47
also attached. See item 7 below for fee.

[] Not Enclosed

[] Application is made by a person authorized under 37 CFR
1.41(c) on behalf of all of the above named inventor(s). The
declaration or oath, along with the surcharge required by 37
CFR 1.16(e) can be filed subsequently.

[] Showing that the filing is authorized. (Not required
unless called into question. 37 CFR 1.41(d)).

NOTE: Where the filing is a completion in the U.S. of an international
application under 35 U.S.C. 371(c)(4) then the declaration must
be filed.

3. Assignment

[X] An assignment of the invention to HRL Laboratories, LLC
(with separate cover sheet and separate check for \$40.00)

4. Certified Copies

[] A Certified copy of Application No.
from which priority is claimed.

NOTE: Must be referred to in oath or declaration. 37 CFR 1.55 and 163.

5. Fee Calculation

CLAIMS	AS FILED		
Number Filed	Number Extra	Rate	Basic Fee \$ 770.00
Total Claims 28 -20=	8 x	\$ 18.00	144.00
Independent Claims 4 -3=	1 x	\$ 86.00	86.00
Multiple Dependent Claim(s), If Any	0 x	\$290.00	0

[] Amendment canceling extra claims enclosed

[] Amendment deleting multiple dependencies enclosed

[] Fee for extra claims is not being paid at this time

NOTE: If the fee for extra claims are not paid on filing they must be
paid or the claims canceled by amendment, prior to the expiration of the
time period set for response by the Patent and Trademark Office in any
notice of fee deficiency, 37 CFR 1.16(d).

Filing Fee Calculation \$ 1,000.00

6. Small Entity Statement

Applicants claim small entity status

Filing Fee Calculation (50% of above) \$ _____

7. Fee Payment Being Made At This Time

Not Enclosed

No filing fee is submitted. This and the surcharge required by 37 CFR 1.16(e) can be paid subsequently.

NOTE: Where the filing is a completion in the U.S. of an international application the fee must be paid.

Enclosed

<input checked="" type="checkbox"/> filing fee	\$ <u>1,000.00</u>
<input type="checkbox"/> recording assignment (\$40.00; 37 CFR 1.21(h)(i))	\$ _____
<input type="checkbox"/> petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached. 37 CFR 1.47 and 1.17 (h)	\$ _____
Total fees enclosed	
	\$ <u>1,000.00</u>

8. Method of Payment of Fees

check in the amount of \$ 1,000.00

charge account No. 12-0415 in the amount of \$ _____
A duplicate of this transmittal is attached.

NOTE: Fees should be itemized in such a manner that it is clear for which purpose the fees are paid. 37 CFR 1.22(b).

9. Authorization to Charge Additional fees

The Commissioner is hereby authorized to charge the following additional fees which may be required to Account No. 12-0415:

37 CFR 1.16 (filing fees and presentation of extra claims)

37 CFR 1.17 (application processing fees)

37 CFR 1.18 (issue fee at or before Mailing of Notice of Allowance, pursuant to 37 CFR 1.311(b))

NOTE: 37 CFR 1.28(b) requires "Notification of any change in loss of entitlement to small entity status must be filed in the application...prior to paying... issue fee".

10. Instructions As To Overpayment

Credit Account No. 12-0415 [] refund

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Suite 2100
Los Angeles, California 90036-5679

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